

DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLL
DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLL
DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDD DDD CCC	CCCCCCCCCCCC	LLL
DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLLLLLLLLLLL
DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLLLLLLLLLLL
DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLLLLLLLLLLL

FILE ID **LOGICAL

N 14

LL 000000 GGGGGGGG IIIIIII CCCCCCCC AAAAAAA LL
LL 000000 GGGGGGGG IIIIIII CCCCCCCC AAAAAAA LL
LL 00 00 GG II CC AA AA LL
LL 00 00 GG II CC AA AA LL
LL 00 00 GG II CC AA AA LL
LL 00 00 GG II CC AA AA LL
LL 00 00 GG II CC AA AA LL
LL 00 00 GG II CC AA AA LL
LL 00 00 GG GGGGGG II CC AA AAAAAAAA LL
LL 00 00 GG GGGGGG II CC AA AAAAAAAA LL
LL 00 00 GG GG II CC AA AA LL
LL 00 00 GG GG II CC AA AA LL
LLL LLLL LLLL 000000 GGGGGG IIIIIII CCCCCCCC AA AA LLLL LLLL
LLL LLLL LLLL 000000 GGGGGG IIIIIII CCCCCCCC AA AA LLLL LLLL

The diagram illustrates two sets of binary digits (0s and 1s) arranged in a grid-like pattern. The left set, labeled 'LL', consists of 10 rows of 2s and 10 columns of 1s. The right set, labeled 'SS', consists of 10 rows of 1s and 10 columns of 2s.

(3)	130	ALLOCATE DEVICE
(4)	271	ASSIGN LOGICAL NAME TO EQUIVALENCE STRING
(5)	357	DEFINE LOGICAL NAME EQUIVALENCE
(7)	482	DEALLOCATE DEVICE
(8)	515	DEASSIGN LOGICAL NAME EQUIVALENCE
(9)	563	TEST IF LOGICAL NAME IS SYSSOUTPUT
(10)	591	PROCESS COMMON COMMAND QUALIFIERS
(11)	740	GET TRANSLATION ATTRIBUTES
(12)	772	CREATE LOGICAL NAME TABLE
(13)	945	SHOW LOGICAL NAME EQUIVALENCES

```
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0000 2 .IDENT 'V04-000'
0000 3 ****
0000 4 *
0000 5 *
0000 6 *
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0000 24 *
0000 25 *
0000 26 ****
0000 27 *
0000 28 LOGICAL NAME DCLS COMMAND EXECUTION
0000 29 *
0000 30 ALLOCATE DEVICE
0000 31 ASSIGN LOGICAL NAME
0000 32 DEALLOCATE DEVICE
0000 33 DEASSIGN LOGICAL NAME
0000 34 DEFINE LOGICAL NAME
0000 35 CREATE LOGICAL NAME TABLE
0000 36 SHOW LOGICAL NAME TRANSLATION
0000 37 *
0000 38 Peter George 20-April-1983
0000 39 *
0000 40 MODIFIED BY:
0000 41 *
0000 42 V03-007 HWS0078 Harold Schultz 02-Jul-1984
0000 43 Fix negation of table qualifiers in ASSIGN, DEASSIGN,
0000 44 and DEFINE commands.
0000 45 *
0000 46 V03-006 HWS0041 Harold Schultz 12-Apr-1984
0000 47 Add ALLOCATE /GENERIC.
0000 48 *
0000 49 V03-005 PCG0003 Peter George 20-Mar-1984
0000 50 Add /JOB qualifier.
0000 51 *
0000 52 V03-004 HWS0005 Harold Schultz 07-Feb-1984
0000 53 Added /PROTECTION=(SY:RWED,OW:RWED,...) qualifier for
0000 54 when creating a logical name table.
0000 55 Add /LOG qualifier when creating a logical name table.
0000 56 Output informational messages after table creation.
0000 57 *
```

- LOGICAL NAME COMMANDS

D 15

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(1)

0000	58	:	V03-003	TMK0001	Todd M. Katz	12-Oct-1983
0000	59	:			Translate logical names using LNMSDCL_LOGICAL as the table	
0000	60	:			name instead of LNMSDEFAULT_SEARCH.	
0000	61	:				
0000	62	:	V03-002	PCG0002	Peter George	01-Jul-1983
0000	63	:			Fix bug in ALLOCATE command parsing.	
0000	64	:			Replace old logical name commands.	
0000	65	:			Stop fooling around with the CRELOG bit.	
0000	66	:				
0000	67	:	V03-001	PCG0001	Peter George	15-Jun-1983
0000	68	:			Return more helpful status when ALLOCATE fails.	
0000	69	:			Pass equivalence name to DCL\$OPEN_OUTPUT.	
0000	70	---				

```

0000 72 : MACRO LIBRARY CALLS
0000 73 :
0000 74 :
0000 75 :
0000 76 PRCDEF : DEFINE PROCESS WORK AREA
0000 77 WRKDEF : DEFINE COMMAND WORK AREA
0000 78 PTRDEF : DEFINE RESULT PARSE DESCRIPTOR FORMAT
0000 79 $CLIMSGDEF : DEFINE ERROR/STATUS VALUES
0000 80 $LNMDDEF : DEFINE LOGICAL NAME OFFSETS
0000 81 $PSLDEF : DEFINE PROCESSOR STATUS FIELDS
0000 82 $SSDEF : DEFINE SYSTEM STATUS VALUES
0000 83 :
00000000 84 .PSECT DCL$ZCODE,BYTE,RD,NOWRT
0000 85 :
0000 86 :
0000 87 : LOCAL DATA
0000 88 :
0000 89 OUTPUTNAM:
0000 90 .ASCIC 'SYSSOUTPUT'
0008 91 LNMSPROCESS:
0008 92 .ASCIC 'LNMSPROCESS'
0017 93 LNMSJOB:
0017 94 .ASCIC 'LNMSJOB'
001F 95 LNMSGROUP:
001F 96 .ASCIC 'LNMSGROUP'
0029 97 LNMSSYSTEM:
0029 98 .ASCIC 'LNMSSYSTEM'
0034 99 LNMSDCL_LOGICAL:
0034 100 .ASCIC 'LNMSDCL_LOGICAL'
0044 101 LNMSPROCESS DIRECTORY:
0044 102 .ASCIC 'LNMSPROCESS_DIRECTORY'
0050 103 LNMSFILE_DEV:
0050 104 .ASCIC 'LNMSFILE_DEV'
005A 105 UNDEFINED:
005A 106 .ASCIC 'UNDEFINED'
0066 107 LOGICALMSG:
0066 108 .ASCIC '!AS = "!AS" (!AS)'
0070 109 ACCESS: .ASCII /DEWR/ : ACCESS PROTECTION CODES
0070 110 CLASS: .ASCII /WGOS/ : PROTECTION CLASSES
0071 111 :
0071 112 : DEFINE OFFSETS FOR COMMON PARSING DATA STRUCTURE
0071 113 :
008E 114 EQUNAM = 32
00000020 008E

```

LOGICAL
V04-000

- LOGICAL NAME COMMANDS

F 15

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(2)

00000018	008E	115	LOGNAM = 24
00000010	008E	116	TABNAM = 16
0000000C	008E	117	ACMODE = 12
00000008	008E	118	QUAL = 8
0000FF00	008E	119	DEF PROT = ^XFF00
00000000	008E	120	LOG_V = 0
00000001	008E	121	LOG_M = 1
00000001	008E	122	ATTR_V = 1
00000002	008E	123	ATTR_M = 2
00000002	008E	124	DEF_V = 2
00000004	008E	125	DEF_M = 4
00000004	008E	126	NAME_ATTR = 4
00000000	008E	127	TRAN_ATTR = 0
	008E	128	

008E 130 .SBTTL ALLOCATE DEVICE
 008E 131 :+
 008E 132 : DCL\$ALLOCATE - ALLOCATE DEVICE
 008E 133 :
 008E 134 : THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE ALLOCATE
 008E 135 : COMMAND.
 008E 136 :
 008E 137 : INPUTS:
 008E 138 :
 008E 139 : R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
 008E 140 : R9 = ADDRESS OF SCRATCH STACK.
 008E 141 : R10 = BASE ADDRESS OF COMMAND WORK AREA.
 008E 142 : R11 = BASE ADDRESS OF PROCESS WORK AREA.
 008E 143 :
 008E 144 : OUTPUTS:
 008E 145 :
 008E 146 : THE SPECIFIED DEVICE IS ALLOCATED AND ASSIGNED THE SPECIFIED LOGICAL
 008E 147 : NAME. IF THE LOGICAL NAME WAS PREVIOUSLY ASSIGNED, THEN A MESSAGE TO
 008E 148 : THAT EFFECT IS WRITTEN TO THE OUTPUT STREAM.
 008E 149 :-
 008E 150 DCLSALLOCATE:: ;ALLOCATE DEVICE
 008E 151 :
 008E 152 : Allocate and init common logical name data structure.
 008E 153 :
 59 10 C2 008E 154 SUBL #16,R9 :ALLOCATE PHYSICAL DEV BUFFER
 79 59 D0 0091 155 MOVL R9-(R9) :INIT THE EQUIV NAME DESCRIPTOR
 79 10 3C 0094 156 MOVZWL #16,-(R9) :
 55 BE AF 9E 0099 157 CLRQ -(R9) :ALLOCATE LOG NAME DESCRIPTOR
 54 85 9A 009D 158 MOVAB LNMSFILE_DEV,R5 :SET LOGICAL NAME TABLE
 79 54 7D 00A0 159 MOVZBL (R5)+,R4 :
 79 02 D0 00A3 160 MOVQ R4,-(R9) :SAVE THE DESCRIPTOR
 79 01 D0 00A6 161 MOVL #P\$LSC_SUPER,-(R9) :AND SUPERVISOR MODE
 79 7C 00A9 162 MOVL #LOG_M,-(R9) :ASSUME /LOG DEFAULTED
 58 59 D0 00AB 163 CLRQ -(R9) :SET DEFAULT NAME/TRAN ATTRIBUTES
 79 D4 00AE 164 MOVL R9,R8 :COPY THE BASE OF THE DATA STRUCTURE
 79 00B0 165 CLRL -(R9) :ALLOCATE /TYPE VALUE
 57 0908 56 D4 00B0 166 :
 167 CLRL R6 :SET NO TERMINATOR YET
 8F 3C 00B2 168 MOVZWL #SSS_NOSUCHDEV,R7 :PRESET ERROR STATUS
 00B7 169 :
 00B7 170 :
 00B7 171 : Process /log and /type command qualifiers.
 00B7 172 :
 03 FF46' 30 00B7 173 10\$: BSBW DCL\$GETDVAL :GET NEXT TOKEN
 55 91 00BA 174 CMPB R5,#PTR_K_PARAMETR :PARAMETER VALUE?
 2C 13 00BD 175 BEQL 40\$:YES, THEN NO /GENE OR /LOG
 FF3E' 30 00BF 176 BSBW DCL\$GETNVAL :GET QUALIFIER TYPE
 51 00'8F 91 00C2 177 CMPB #CLISK_ALLO_GENE,R1 :IS IT /GENE
 0D 13 00C6 178 BEQL 20\$:YES, THEN BRANCH
 08 A8 01 C8 00C8 179 BISL #LOG_M,QUAL(R8) :ASSUME /LOG
 E8 53 E9 00CC 180 BLBC R3,10\$:BRANCH IF SO
 08 A8 01 CA 00CF 181 BICL #LOG_M,QUAL(R8) :SET /NOLOG
 E2 11 00D3 182 BRB 10\$:GET NEXT TOKEN
 69 D4 00D5 183 20\$: CLRL (R9) :ASSUME /NOGENERIC
 DD 53 E8 00D7 184 BLBS R3,10\$:BRANCH IF SO
 69 01 D0 00DA 185 MOVL #1,(R9) :IT WAS /GENERIC
 D8 11 00DD 186 BRB 10\$:GET NEXT TOKEN

00DF 187
 00DF 188
 00DF 189 : Return allocation error.
 00DF 190
 50 57 D0 00DF 191 90\$: MOVL R7,R0 ;SET ERROR STATUS
 05 00E2 192 RSB ;EXIT
 00E3 193
 00E3 194 : Process the device names.
 00E3 195
 00E3 196
 05 FF1A' 30 00E3 197 50\$: BSBW DCL\$GETDVAL ;GET NEXT TOKEN
 56 91 00E6 198 CMPB R6 #PTR_K_COMMA ;ANOTHER PARAMETER VALUE IN LIST?
 F4 12 00E9 199 BNEQ 90\$;NO, THEN ERROR
 03 55 91 00EB 200 40\$: CMPB R5 #PTR_K_PARAMETR ;PARAMETER VALUE?
 EF 12 00EE 201 BNEQ 90\$;NO, THEN ERROR
 56 54 D0 00F0 202 MOVL R4,R6 ;SAVE TOKEN TERMINATOR
 FFOA' 30 00F3 203 BSBW DCL\$COMPSTRING ;REMOVE ANY DOUBLE QUOTES
 18 A8 51 7D 00F6 204 MOVQ R1,LOGNAM(R8) ;SAVE THE DESCRIPTOR
 FF A241 3A 91 00FA 205 CMPB #^A/:/-1(R2)[R1] ;DEVICE NAME END WITH A COLON?
 03 12 00FF 206 BNEQ 50\$;IF NEQ NO
 18 A8 D7 0101 207 DECL LOGNAM(R8) ;REDUCE LENGTH OF DEVICE NAME
 50 69 D0 0104 208 50\$: MOVL (R9),R0 ;GET /GENERIC INDICATOR
 0107 209 SALLOC_S LOGNAM(R8),EQUNAM(R8),- ;ALLOCATE DEVICE
 0107 210 EQUNAM(R8),#0,R0
 57 50 D0 011B 211 MOVL R0,R7 ;SAVE FINAL STATUS
 C2 50 E9 011E 212 BLBC R0,30\$;IF ERROR, TRY NEXT DEVICE IN LIST
 0121 213
 0121 214 : Output the device allocated message.
 0121 215
 0121 216 :
 10 08 A8 00 E1 0121 217 BBC #LOG_V,QUAL(R8),80\$;SKIP IF /NOLOG
 20 A8 7F 0126 218 PUSHAQ EQUNAM(R8) ;PUSH DESCRIPTOR ADDRESS
 50 0003DDE3 8F 51 01 D0 0129 219 MOVL #1,R1 ;SET ARG COUNT
 FEC'A' 30 012C 220 MOVL #CLIS_ALLOC,R0 ;SET STATUS
 0133 221 BSBW DCLSFORMMSG ;OUTPUT INFORMATIONAL MESSAGE
 0136 222
 0136 223 :
 0136 224 : Get the requested logical name.
 0136 225 :
 03 FEC7' 30 0136 226 80\$: BSBW DCL\$GETDVAL ;GET NEXT PARAMETER VALUE
 55 91 0139 227 CMPB R5 #PTR_K_PARAMETR ;PARAMETER VALUE?
 02 13 013C 228 BEQL 60\$;CONTINUE IF LOGICAL NAME FOUND
 58 11 013E 229 BRB 95\$;EXIT IF NOT
 05 56 91 0140 230 60\$: CMPB R6 #PTR_K_COMMA ;STILL IN P1 LIST?
 05 12 0143 231 BNEQ 70\$;IF P2 FOUND, ASSIGN THE LOGICAL NAME
 56 54 D0 0145 232 MOVL R4,R6 ;COPY TERMINATOR TYPE CODE
 EC 11 0148 233 BRB 80\$;LOOP UNTIL P2 OR EOL FOUND
 FF A241 FECB' 30 014A 235 70\$: BSBW DCL\$COMPSTRING ;REMOVE QUOTATION MARKS
 3A 91 014D 236 CMPB #^A/:/-1(R2)[R1] ;LOGICAL NAME END WITH COLON?
 02 12 0152 237 BNEQ 75\$;IF NEQ NO
 51 D7 0154 238 DECL R1 ;REDUCE LENGTH OF LOGICAL NAME
 18 A8 51 7D 0156 239 75\$: MOVQ R1,LOGNAM(R8) ;SAVE THE LOGICAL NAME
 015A 240
 015A 241 :
 015A 242 : Create the required item list.
 015A 243 :

7E 20 AE	7E 02 57	7C 015A	244	CLRQ	- (SP)	: TERMINATE THE LIST, ZERO LEN ADDR
A8 02	SE 5E	7D 015C	245	MOVQ	EQUUNAM(R8), - (SP)	: SET THE EQUIV NAME DESCRIPTOR
		B0 0160	246	MOUVW	#LNMS_STRING, 2(SP)	: SET THE ITEM TYPE
		DD 0164	247	MOVL	SP, R7-	: GET THE ITEM LIST ADDRESS
			0167			
			248			
			0167	SCRELNMS_S	ATTR=NAME ATTR(R8), -	: CREATE THE REQUESTED NAME
			249		TABNAM=TABNAM(R8), -	:
			0167		LOGNAM=LOGNAM(R8), -	:
			250		ACMODE=ACMODE(R8), -	:
			0167		ITMLST=(R7)	:
			251			
			0167			
			252			
			0167			
			253			
			017C			
			254			
SE 10	C0	017C	255	ADDL	#4*4, SP	: POP THE ITEM LIST
		017F	256			
		017F	257			
		017F	258	: Output informational message if appropriate.		
		017F	259			
50 0631 8F	B1	017F	260	CMPW	#SSSS_SUPERSEDE, R0	: PREVIOUS ASSIGNMENT SUPERSEDED?
1C	12	0184	261	BNEQ	96\$: IF NEQ NO
10 08 A8	E1	0186	262	BBC	#LOG_V.QUAL(R8), 95\$: BRANCH IF /NOLOG
00		9F	0188	PUSHAB	LOGNAM(R8)	: SET LOGICAL NAME ADDRESS
18 A8	D0	018E	263	MOVL	#1, R1	: SET FAO COUNT
51 01	DD	0191	264	MOVL	#CLIS_SUPERSEDE, R0	: SET STATUS
50 0003DDEB 8F	30	0198	265	BSBW	DCLSFORMMSG	: OUTPUT MESSAGE
FE65'		0198	266			
		0198	267			
		0198	268	STATUS	NORMAL	: RETURN SUCCESS
05	01A2	269	95\$:	RSB		: EXIT

01A3 271 .SBTTL ASSIGN LOGICAL NAME TO EQUIVALENCE STRING
 01A3 272 :+
 01A3 273 : DCLSASSIGN - ASSIGN LOGICAL NAME TO EQUIVALENCE STRING
 01A3 274 :
 01A3 275 : THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE ASSIGN
 01A3 276 : COMMAND.
 01A3 277 :
 01A3 278 : INPUTS:
 01A3 279 :
 01A3 280 : R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
 01A3 281 : R9 = ADDRESS OF SCRATCH STACK.
 01A3 282 : R10 = BASE ADDRESS OF COMMAND WORK AREA.
 01A3 283 : R11 = BASE ADDRESS OF PROCESS WORK AREA.
 01A3 284 :
 01A3 285 : OUTPUTS:
 01A3 286 :
 01A3 287 : THE SPECIFIED LOGICAL NAME IS ASSIGNED TO THE SPECIFIED EQUIVALENCE
 01A3 288 : STRING. IF A PREVIOUS LOGICAL ASSIGNMENT IS SUPERSEDED, THEN A
 01A3 289 : MESSAGE TO THAT EFFECT IS WRITTEN TO THE OUTPUT STREAM.
 01A3 290 :
 01A3 291 :
 01A3 292 DCLSASSIGN:: :ASSIGN LOGICAL NAME TO EQUIVALENCE
 01A3 293 :
 01A3 294 : Parse the common qualifiers and the logical name string.
 01A3 295 :
 0221 30 01A3 296 BSBW COMMON_QUAL :PROCESS COMMON QUALIFIERS
 51 18 A8 79 7C 01A6 297 CLRQ -(R9) :ALLOCATE SPACE FOR EQUIV NAME
 FE51' 30 01A8 298 MOVQ LOGNAM(R8),R1 :GET EQUIV NAME DESC
 20 A8 51 7D 01AC 299 BSBW DCL\$COMPRESS :COMPRESS THE STRING
 01AF 300 MOVQ R1,EQUNAM(R8) :SAVE EQUIV NAME
 01B3 301 :
 01B3 302 : Init the item list. Insert the default translation attributes.
 01B3 303 :
 5E F9FC CE 9E 01B3 304 MOVAB -64*6*4-4(SP),SP :ALLOCATE ROOM FOR A 128 ITEM LIST
 57 5E DO 01B3 305 MOVL SP,R7 :SAVE THE ADDRESS OF THE LIST
 87 00030004 8F DO 01B3 306 :
 87 68 DE 01C2 308 MOVL #LNMS_ATTRIBUTES@16+4,(R7)+ :SET THE ITEM TYPE
 87 D4 01C5 309 MOVAL TRAN_ATTR(R8),(R7)+ :SET THE DEFAULT ATTRIBUTES ADDR
 56 01 DO 01C7 310 CLRL (R7)+ :ZERO THE RETURN LENGTH ADDR
 01CA 311 MOVL #1,R6 :MARK DEFAULT ATTRIBUTES SET
 01CA 312 :
 01CA 313 : Loop getting equivalence strings and their attributes.
 01CA 314 :
 01CA 315 : Build the item list.
 01CA 316 :
 0377 30 01CA 317 25\$: BSBW GET_TRAN_ATTR :CHECK FOR NEW TRAN ATTRIBUTES
 87 00030004 8F 13 50 E9 01CD 318 BLBC R0,30\$:BRANCH IF NO LOCAL QUALIFIER
 79 53 DO 01D0 319 MOVL #LNMS_ATTRIBUTES@16+4,(R7)+ :SET THE ITEM TYPE
 87 59 DO 01D7 320 MOVL R3,-(R9) :SAVE THE ATTRIBUTES
 87 D4 01DA 321 MOVL R9,(R7)+ :SET THE ATTRIBUTES ADDR
 56 D4 01DF 322 CLRL (R7)+ :ZERO THE RETURN LENGTH ADDR
 12 11 01E1 323 CLRL R6 :MARK NEW ATTRIBUTES SET
 OF 56 E8 01E3 324 BRB 40\$:PROCESS THE PARAMETER
 87 00030004 8F DO 01E6 325 30\$: BLBS R6,40\$:SKIP IF DEFAULTS IN EFFECT
 87 68 DE 01ED 326 MOVL #LNMS_ATTRIBUTES@16+4,(R7)+ :SET THE ITEM TYPE
 327 MOVAL TRAN_ATTR(R8),(R7)+ :SET THE DEFAULT ATTRIBUTES ADDR

LOGICAL
V04-000- LOGICAL NAME COMMANDS
ASSIGN LOGICAL NAME TO EQUIVALENCE STRIN

K 15

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56 01	D4 01F0	328	CLRL	(R7)+	
	00 01F2	329	MOVL	#1,R6	:ZERO THE RETURN LENGTH ADDR
	01F5	330			:MARK NEW ATTRIBUTES SET
87 20 A8	7D 01F5	331	40\$: MOVQ	EQUUNAM(R8),(R7)+	:SAVE THE EQUIV NAME DESCRIPTOR
FA A7 02	80 01F9	332	MOVW	#LNMS_STRING,-6(R7)	:SET THE ITEM TYPE
	87 D4 01FD	333	CLRL	(R7)+	:ZERO THE RETURN LENGTH ADDR
	OC C3 01FF	334	SUBL3	#PTR K LENGTH,-	:GET ADDRESS OF TOKEN DESCRIPTOR
50 BA AA	0201	335		WRK [RSLNXT(R10),R0	
02 06 A0	91 0204	336	CMPB	PTR_B_PARMCNT(R0),#2	:HAVE WE FOUND THE LOGICAL NAME?
09 13	0208	337	BEQL	43\$:YES, THEN TERMINATE ITEM LIST
FDF3' 30	020A	338	BSBW	DCLSCOMPRESS	:COMPRESS THE STRING
20 A8 51	7D 020D	339	MOVQ	R1,EQUUNAM(R8)	:STORE THE LATEST STRING DESCRIPTOR
B7 11	0211	340	BRB	25\$:CHECK FOR NEW ATTRIBUTES
87 D4	0213	341			:TERMINATE THE LIST
	0215	342	43\$: CLRL	(R7)+	
	0215	343			
	0215	344			
	0215	345			: Process logical name string.
	0215	346			:
FF A241 FDE8'	30 0215	347	BSBW	DCLSCOMPSTRING	:REMOVE QUOTATION MARKS
3A 91	0218	348	CMPB	#^A/:,-1(R2)[R1]	:LOGICAL NAME END WITH COLON?
02 12	021D	349	BNEQ	45\$:IF NEQ NO
51 D7	021F	350	DECL	R1	:REDUCE LENGTH OF LOGICAL NAME
18 A8 51	7D 0221	351	45\$: MOVQ	R1,LOGNAM(R8)	:SAVE LOGICAL NAME DESCRIPTOR
031C 30	0225	352	BSBW	GET TRAN_ATTR	:CHECK FOR NEW TRAN ATTRIBUTES
03 50 E9	0228	353	BLBC	R0,47\$:BRANCH IF NO LOCAL QUALIFIER
68 53 007C	D0 0228	354	MOVL	R3,TRAN_ATTR(R8)	:SAVE THE ATTRIBUTES
	31 022E	355	47\$: BRW	COMMON_CRELNM	:CREATE THE LOGICAL NAME

0231 357 .SBTTL DEFINE LOGICAL NAME EQUIVALENCE
 0231 358 :+
 0231 359 : DCLS\$DEFINE - DEFINE LOGICAL NAME EQUIVALENCE
 0231 360 :
 0231 361 : THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE DEFINE
 0231 362 : COMMAND.
 0231 363 :
 0231 364 : INPUTS:
 0231 365 :
 0231 366 : R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
 0231 367 : R9 = ADDRESS OF SCRATCH STACK.
 0231 368 : R10 = BASE ADDRESS OF COMMAND WORK AREA.
 0231 369 : R11 = BASE ADDRESS OF PROCESS WORK AREA.
 0231 370 :
 0231 371 : OUTPUTS:
 0231 372 :
 0231 373 : THE SPECIFIED LOGICAL NAME IS ASSIGNED TO THE SPECIFIED EQUIVALENCE
 0231 374 : STRING. IF A PREVIOUS LOGICAL ASSIGNMENT IS SUPERSEDED, THEN A
 0231 375 : MESSAGE TO THAT EFFECT IS WRITTEN TO THE OUTPUT STREAM.
 0231 376 :-
 0231 377 :
 0231 378 DCLS\$DEFINE:: :DEFINE LOGICAL NAME EQUIVALENCE
 0231 379 :
 0231 380 : Parse the common qualifiers and the logical name string.
 0231 381 :
 0193 30 0231 382 BSBW COMMON_QUAL :PROCESS COMMON QUALIFIERS
 51 18 A8 79 7C 0234 383 CLRQ -(R9) :ALLOCATE SPACE FOR EQUIVALENCE NAME
 FDC3' 30 0236 384 MOVQ LOGNAM(R8),R1 :GET LOGICAL NAME DESCR
 18 A8 51 7D 023A 385 BSBW DCLS\$COMPSTRING :REMOVE QUOTES FROM LOGICAL NAME
 0230 386 MOVQ R1,LOGNAM(R8) :SAVE LOGICAL NAME
 0241 387 :
 0241 388 :
 0241 389 : Init the item list. Insert the default translation attributes.
 0241 390 :
 SE F9FC CE 9E 0241 391 MOVAB -64*6*4-4(SP),SP :ALLOCATE ROOM FOR A 128 ITEM LIST
 57 5E DO 0246 392 MOVL SP,R7 :SAVE THE ADDRESS OF THE LIST
 0249 393 :
 87 00030004 8F DO 0249 394 MOVL #LNMS_ATTRIBUTES@16+4,(R7)+ :SET THE ITEM TYPE
 87 68 DE 0250 395 MOVAL TRAN_ATTR(R8),(R7)+ :SET THE DEFAULT ATTRIBUTES ADDR
 87 D4 0253 396 CLRL (R7)+ :ZERO THE RETURN LENGTH ADDR
 0255 397 :
 02EC 30 0255 398 BSBW GET_TRAN_ATTR :CHECK FOR NEW TRAN ATTRIBUTES
 03 50 E9 0258 399 BLBC R0,23\$:BRANCH IF NO LOCAL QUALIFIER
 68 53 DO 025B 400 MOVL R3,TRAN_ATTR(R8) :SAVE THE ATTRIBUTES
 FD9F' 30 025E 401 23\$: BSBW DCLS\$COMPRESS :COMPRESS THE STRING
 20 A8 51 7D 0261 402 MOVQ R1,EQNAM(R8) :LOAD THE PIPELINE
 56 01 DO 0265 403 MOVL #1,R6 :MARK DEFAULT ATTRIBUTES SET
 0268 404 :
 0268 405 :
 0268 406 : Loop getting equivalence strings and their attributes.
 0268 407 : Build the item list.
 0268 408 :
 02D9 30 0268 409 25\$: BSBW GET_TRAN_ATTR :CHECK FOR NEW TRAN ATTRIBUTES
 13 50 E9 0268 410 BLBC R0,30\$:BRANCH IF NO LOCAL QUALIFIER
 87 00030004 8F DO 026E 411 MOVL #LNMS_ATTRIBUTES@16+4,(R7)+ :SET THE ITEM TYPE
 79 53 DO 0275 412 MOVL R3,-(R9) :SAVE THE ATTRIBUTES
 87 59 DO 0278 413 MOVL R9,(R7)+ :SET THE ATTRIBUTES ADDR

LOGICAL
V04-000

- LOGICAL NAME COMMANDS
DEFINE LOGICAL NAME EQUIVALENCE

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	87	D4	027B	414	CLRL	(R7)+	:ZERO THE RETURN LENGTH ADDR	
	56	D4	027D	415	CLRL	R6	:MARK NEW ATTRIBUTES SET	
	12	11	027F	416	BRB	40\$:PROCESS THE PARAMETER	
87	OF	56	E8	0281	417	30\$: BLBS	:SKIP IF DEFAULTS IN EFFECT	
	8F	D0	0284	418	MOVL	#LNMS_ATTRIBUTES@16+4,(R7)+	:SET THE ITEM TYPE	
	87	68	DE	0288	419	MOVAL	TRAN_ATTR(R8),(R7)+	:SET THE DEFAULT ATTRIBUTES ADDR
	87	D4	028E	420	CLRL	(R7)†	:ZERO THE RETURN LENGTH ADDR	
	56	01	D0	0290	421	MOVL	#1,R6	:MARK NEW ATTRIBUTES SET
	87	20	A8	70	0293	422		
FA	A7	02	B0	0297	423	40\$: MOVQ	:SAVE THE EQUIV NAME DESCRIPTOR	
	87	D4	029B	424	MOVW	#LNMS_STRING,-6(R7)	:SET THE ITEM TYPE	
55	04	91	029D	425	CLRL	(R7)+	:ZERO THE RETURN LENGTH ADDR	
	09	13	02A0	426	CMPB	#PTR_K_ENDLINE.R5	:EOL?	
20	A8	FD5B	'30	02A2	427	BEQL	43\$:YES, THEN TERMINATE ITEM LIST
	51	7D	02A5	428	BSBW	DCLS\$COMPRESS	:COMPRESS THE STRING	
	BD	11	02A9	429	MOVQ	R1,EQUNAM(R8)	:STORE THE LATEST STRING DESCRIPTOR	
			02AB	430	BRB	25\$:CHECK FOR NEW ATTRIBUTES	
	87	D4	02AB	431				
			02AD	432	43\$: CLRL	(R7)+	:TERMINATE THE LIST	
				433				

			02AD	435	:			
			02AD	436	:	Check for SYSSOUTPUT. Do special processing if appropriate.		
			02AD	437	:			
			02AD	438	COMMON_CRELNM:			
57	1C	C2	02AD	439	SUBL #6*4+4,R7			:WAS MORE THAN ONE VALUE SUPPLIED
5E	57	D1	02B0	440	CMPL R7,SP			:
05	12	02B3	441	BNEQ 45\$:YES, THEN BRANCH	
00D9	30	02B5	442	BSBW TESTOUT			:IS LOGICAL NAME SYSSOUTPUT?	
46	13	02B8	443	BEQL 80\$:YES, THEN BRANCH	
			02BA	444				
			02BA	445	:			
			02BA	446	: Create the requested logical names.			
			02BA	447				
00	08	A8	01	E1	02BA 448	#ATTR V,QUAL(R8),47\$:BRANCH IF QUALIFIER NOT SEEN
57	SE	D0	02BF	449	: BICL #LNMSM_CRELOG,NAME_ATTR(R8)			:DISABLE CRELOG ATTRIBUTE
			02C2	450	47\$: MOVL SP,R7			:GET THE ITEM LIST ADDRESS
			02C2	451	\$CRELNMS ATTR=NAME ATTR(R8),-			:CREATE THE REQUESTED NAME
			02C2	452	TABNAM=TABNAM(R8),-			:
			02C2	453	LOGNAM=LOGNAM(R8),-			:
			02C2	454	ACMODE=ACMODE(R8),-			:
			02C2	455	ITMLST=(R7)			:
			02D7	456				
			02D7	457	:			
			02D7	458	: Output informational message if appropriate.			
			02D7	459	:			
50	0631	8F	B1	02D7	460 CMPW #SS\$_SUPERSEDE, R0			:PREVIOUS ASSIGNMENT SUPERSEDED?
	1C	12	02DC	461 BNEQ 60\$:IF NEQ NO
10	08	A8	E1	02DE	462 BBC #LOG V,QUAL(R8),50\$:BRANCH IF /NOLOG
	00		9F	02E3	463 PUSHAB LOGNAM(R8)			:SET LOGICAL NAME ADDRESS
	18	A8	51	01	02E6 464 MOVL #1,R1			:SET FAO COUNT
50	0003DDEB	8F	D0	02E9	465 MOVL #CLIS SUPERSEDE, R0			:SET STATUS
	F0D0	'	30	02F0	466 BSBW DCLSFORMMSG			:OUTPUT MESSAGE
			02F3	467				
5E	0604	CE	9E	02F3	468 50\$: STATUS NORMAL			:SET NORMAL COMPLETION
	05		02FA	469 60\$: MOVAB 64*6*4+4(SP),SP				:RESTORE THE STACK
			02FF	470 RSB				:
			0300	471				
			0300	472	:			
			0300	473	: Update SYSSOUTPUT.			
			0300	474	:			
51	20	A8	7D	0300	475 80\$: MOVQ EQUANAM(R8),R1			:GET DESCRIPTOR OF EQUIVALENCE NAME
	FF	9	30	0304	476 BSBW DCLSOPEN_OUTPUT			:OPEN SPECIFIED OUTPUT FILE
	F0	50	E9	0307	477 BLBC R0,60\$:LEAVE EVERYTHING ALONE IF ERROR
58	00BC	CB	D0	030A	478 MOVL PRC_L_IDFLNK(R11),R8			:POINT TO THE SYSSOUTPUT INFORMATION
	FCEE	'	30	030F	479 BSBW DCLSCREATE_OUTPUT			:CREATE THE SYSSOUTPUT LOGICAL NAME
	DF	11	0312	480 BRB 50\$:

0314 482 .SBTTL DEALLOCATE DEVICE
 0314 483 :+ DCLSDEALLOCAT - DEALLOCATE DEVICE
 0314 484 : THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE DEALLOCATE
 0314 485 : DCLS COMMAND.
 0314 486 :
 0314 487 :
 0314 488 :
 0314 489 :
 0314 490 :
 0314 491 : R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
 0314 492 : R9 = ADDRESS OF SCRATCH STACK.
 0314 493 : R10 = BASE ADDRESS OF COMMAND WORK AREA.
 0314 494 : R11 = BASE ADDRESS OF PROCESS WORK AREA.
 0314 495 :
 0314 496 :
 0314 497 :
 0314 498 : THE SPECIFIED DEVICE IS DEALLOCATED OR ALL DEVICES ARE DEALLOCATED.
 0314 499 :-
 0314 500 :
 0314 501 DCLSDEALLOCAT:: :DEALLOCATE DEVICE
 55 FCE9' 30 0314 502 BSBW DCL\$GETDVAL :GET TOKEN DESCRIPTOR
 03 91 0317 503 CMPB #PTR_K_PARAMETR,R5 :ITEM TYPE PARAMETER?
 04 13 031A 504 BEQL 10\$:YES, PROCESS IT
 59 D4 031C 505 CLRL R9 :NO, ASSUME ,ALL
 0F 11 031E 506 BRB 90\$:DEALLOCATE THEM ALL
 FF A241 FCDD' 30 0320 507 10\$: BSBW DCL\$COMPSTRING :REMOVE EXTERNAL QUOTATION MARKS
 79 51 7D 0323 508 MOVQ R1,-(R9) :SAVE LOGICAL NAME
 3A 91 0326 509 CMPB #^A/:/-1(R2)[R1] :STRING END WITH A COLON
 02 12 0328 510 BNEQ 90\$:BR IF NO
 69 D7 032D 511 DECL (R9) :REMOVE COLON FROM STRING
 05 032F 512 90\$: \$DALLOC_S (R9) :DEALLOCATE DEVICE
 05 033A 513 RSB :
 :;

	033B	515	.SBTTL DEASSIGN LOGICAL NAME EQUIVALENCE					
	033B	516	:+ DCLSDEASSIGN - DEASSIGN LOGICAL NAME EQUIVALENCE					
	033B	517						
	033B	518						
	033B	519	THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE DEASSIGN DCLS					
	033B	520	COMMAND.					
	033B	521						
	033B	522	INPUTS:					
	033B	523						
	033B	524	R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.					
	033B	525	R9 = ADDRESS OF SCRATCH STACK.					
	033B	526	R10 = BASE ADDRESS OF COMMAND WORK AREA.					
	033B	527	R11 = BASE ADDRESS OF PROCESS WORK AREA.					
	033B	528						
	033B	529	OUTPUTS:					
	033B	530						
	033B	531	THE SPECIFIED LOGICAL NAME EQUIVALENCE OR ALL LOGICAL NAME EQUIVALENCES					
	033B	532	ARE DEASSIGNED.					
	033B	533	:-					
	033B	534						
	033B	535	DCL\$DEASSIGN::	:DEASSIGN LOGICAL NAME EQUIVALENCE				
	0089	30	033B	;PROCESS COMMON QUALIFIERS				
	57	D4	033E	;COMMON_QUAL				
05 08 A8	02	E1	0340	033B	CLRL	R7	:ASSUME DOING /ALL	
19 08 A8	00	E0	0345	033B	BBC	#DEF_V,QUAL(R8),3\$:SKIP IF DEFAULTED	
51 18 A8	7D	034A	540	3\$:	BBS	#LOG_V,QUAL(R8),5\$:BR IF DOING /ALL	
FCAF'	30	034E	541		MOVQ	LOGNAM(R8),R1	:GET LOGICAL NAME	
18 A8	51	7D	0351		BSBW	DCL\$COMPSTRING	:REMOVE EXTERNAL QUOTATION MARKS	
57 18 A8	7E	0355	542		MOVQ	R1,LOGNAM(R8)	:SAVE LOGICAL NAME	
FF A241	3A	91	0359		MOVAQ	LOGNAM(R8),R7	:COPY THE DESCRIPTOR ADDRESS	
03	12	035E	544		CMPB	#^A/:/-1(R2)[R1]	:STRING END WITH A COLON	
18 A8	D7	0360	545		BNEQ	5\$:BR IF NO	
2C	10	0363	547	5\$:	DECL	LOGNAM(R8)	:REMOVE COLON FROM STRING	
14	13	0365	548		BSBB	TESTOUT	:IS LOGICAL NAME SYSS\$OUTPUT?	
			0367		BEQL	10\$:YES, THEN SKIP	
			0367		SDELLNM_S	TABNAM=TABNAM(R8),-	:DEASSIGN LOGICAL NAME EQUIVALENCE	
			0367			LOGNAM=(R7),-		
			0367			ACMODE=ACMODE(R8)		
	57	D5	0376	552	TSTL	R7	:DEASSIGN/ALL?	
	0E	13	0378	553	BEQL	20\$:YES, THEN RECREATE SYSS\$OUTPUT	
	05	037A	554		RSB			
		037B	555					
52	0114 CB	9E	037B	556	10\$:	MOVAB	PRC_W_OUTIFI(R11),R2	:GET ADDRESS OF SYSS\$OUTPUT INFORMATION
58	00BC CB	D0	0380	557		MOVL	PRC_L_IDFLNK(R11),R8	:GET ADDRESS OF CURRENT IDF BLOCK
	FC78'	30	0385	558		BSBW	DCL\$RESTORE_OUTPUT	:RESTORE PROCESS PERMANENT SYSS\$OUTPUT
58	00BC CB	D0	0388	559	20\$:	MOVL	PRC_L_IDFLNR(R11),R8	:GET ADDRESS OF CURRENT IDF BLOCK
	FC70'	30	038D	560		BSBW	DCL\$CREATE_OUTPUT	:CREATE SYSS\$OUTPUT LOGICAL NAME
		05	0390	561		RSB		

	0391	563	.SBTTL TEST IF LOGICAL NAME IS SYSSOUTPUT		
	0391	564	:	SUBROUTINE TO TEST IF LOGICAL NAME IS SYSSOUTPUT	
	0391	565	:	ON OUTPUT, 'Z'= 1 IF SYSSOUTPUT IS SPECIFIED	
	0391	566	:	CLOBBERS R0-R3	
	0391	567	:		
	0391	568	:		
	0391	569	:		
	0391	570	:		
	0391	571	TESTOUT:		
18 A8	D5	0391	572	TSTL LOGNAM(R8) :WAS A LOGICAL NAME SPECIFIED?	
2E	13	0394	573	BEQL 20\$:RETURN IF NOT	
29 08 A8	01	F0	0396	BBS #ATTR_V,QUAL(R8),20\$:BRANCH IF ATTRIBUTES SPECIFIED	
0C A8	03	D1	039B	CMPL #PSL\$C_USER,ACMODE(R8) :IS LOGICAL NAME USER MODE?	
23	13	039F	575	BEQL 20\$:YES, THEN RETURN	
10 A8	FC66	CF	91	03A1 576 CMPB LNMSPROCESS,TABNAM(R8) :COMPARE LENGTH OF TABLE NAME	
18	12	03A7	577	BNEQ 20\$:RETURN IF NOT EQUAL	
14 B8	10 A8	29	03A9	CMPC TABNAM(R8),@TABNAM+4(R8),-;COMPARE ACTUAL STRING	
FC58	CF		03AE	LNMSPROCESS+1	
11	12	03B1	580	BNEQ 20\$:RETURN IF NOT EQUAL	
18 A8	FC49	CF	91	03B3 581 CMPB OUTPUTNAM,LOGNAM(R8) :COMPARE LENGTH OF OUTPUT	
09	12	03B9	582	BNEQ 20\$:RETURN IF NOT EQUAL	
1C B8	18 A8	29	03BB	CMPC LOGNAM(R8),@LOGNAM+4(R8),-;COMPARE ACTUAL STRING	
FC3E	CF	03C0	584	OUTPUTNAM+1	
05	03C3	585	10\$: RSB :		
	03C4	586	RSB :		
01	D5	03C4	588	TSTL #1 :SET FAILURE STATUS	
	05	03C6	589	RSB :	

03C7	591	.SBTTL PROCESS COMMON COMMAND QUALIFIERS
03C7	592	: SUBROUTINE TO PROCESS COMMON COMMAND QUALIFIERS
03C7	593	: ON INPUT, R9 = ADDRESS OF SCRATCH STACK
03C7	594	: ON OUTPUT, SCRATCH STACK LOOKS LIKE
03C7	595	: ----- Logical name descriptor : LOGNAM(R8)
03C7	596	: ----- Table name descriptor : TABNAM(R8)
03C7	597	: ----- Access mode : ACMODE(R8)
03C7	598	: ----- Qual flags : QUAL(R8)
03C7	599	: ----- Def name attr : NAME_ATTR(R8)
03C7	600	: ----- Def tran attr : TRAN_ATTR(R8) <- R8,R9 finally
03C7	601	: -----
03C7	602	: -----
03C7	603	: -----
03C7	604	: -----
03C7	605	: -----
03C7	606	: -----
03C7	607	: -----
03C7	608	: -----
03C7	609	: -----
03C7	610	: -----
03C7	611	: -----
03C7	612	: -----
03C7	613	: -----
03C7	614	: -----
03C7	615	: -----
03C7	616	: -----
03C7	617	COMMON_QUAL:
55 FC3E	79 7C	03C7 618 CLRQ -(R9) ;ALLOCATE SPACE FOR LOG NAME DESCRIPTOR
54 85	9E	03C9 619 MOVAB LNMS\$PROCESS,R5 ;ASSUME PROCESS LOGICAL NAME TABLE
79 54	?D	03CE 620 MOVZBL (R5)+,R4 ;SAVE THE DESCRIPTOR
79 02	D0	03D1 621 MOVQ R4,-(R9) ;AND SUPERVISOR MODE
79 01	D0	03D4 622 MOVL #P\$LS\$C_SUPER,-(R9) ;ASSUME /LOG DEFAULTED
		03D7 623 MOVL #LOG_M,-(R9) ;SET DEFAULT NAME ATTRIBUTES
		03DA 624 MOVL #LNMS\$M_CRELOG,-(R9) ;SET DEFAULT NAME ATTRIBUTES
		03DA 625 CLRL -(R9) ;SET DEFAULT TRAN ATTRIBUTES
		03DC 626 CLRL -(R9) ;COPY THE BASE OF THE DATA STRUCTURE
58 59	D0	03DE 627 MOVL R9,R8
		03E1 628
55 FC1C'	30	03E1 629 10\$: BSBW DCL\$GETDVAL ;GET NEXT DESCRIPTOR VALUE
55 03	91	03E4 630 20\$: CMPB #PTR_K_PARAMTR,R5 ;ITEM TYPE PARAMETER OR EOL?
08 1A	03E7	631 BGTRU 30\$;NO, THEN PROCESS QUALIFIER
03 13	03E9	632 BEQL 25\$;PROCESS PARAMETER
0155 31	03EB	633 BRW 210\$;RETURN WITH NULL PARAMETER
014E 31	03EE	634 25\$: BRW 200\$;PROCESS PARAMETER
FCOC'	30	03F1 635 30\$: BSBW DCL\$GETINVAL ;GET QUALIFIER NUMBER
00000000'8F	51	D1 03F4 636 CMPL R1,#CLISK_DEFI_USER ;QUALIFIER MATCH?
00000000'8F	66	13 03FB 637 BEQL 100\$;YES, THEN BRANCH
00000000'8F	51	D1 03FD 638 CMPL R1,#CLISK_DEFI_SUPE ;QUALIFIER MATCH?
00000000'8F	64	13 0404 639 BEQL 110\$;YES, THEN BRANCH
00000000'8F	51	D1 0406 640 CMPL R1,#CLISK_DEFI_EXEC ;QUALIFIER MATCH?
00000000'8F	61	13 040D 641 BEQL 120\$;YES, THEN BRANCH
00000000'8F	51	D1 040F 642 CMPL R1,#CLISK_DEFI_PROC ;QUALIFIER MATCH?
00000000'8F	5E	13 0416 643 BEQL 130\$;YES, THEN BRANCH
00000000'8F	51	D1 0418 644 CMPL R1,#CLISK_DEFI_JOB ;QUALIFIER MATCH?
00000000'8F	63	13 041F 645 BEQL 135\$;YES, THEN BRANCH
00000000'8F	51	D1 0421 646 CMPL R1,#CLISK_DEFI_GROU ;QUALIFIER MATCH?
	71	13 0428 647 BEQL 140\$;YES, THEN BRANCH

00000000'8F	51	D1	042A	648		CMPL	R1,#CLISK_DEFI_SYST	:QUALIFIER MATCH?
	7F	13	0431	649		BEQL	150\$:YES, THEN BRANCH
00000000'8F	51	D1	0433	650		CMPL	R1,#CLISK_DEFI_TBL	:QUALIFIER MATCH?
	03	12	043A	651		BNEQ	60\$:NO, CHECK NEXT
00000000'8F	008A	31	043C	652	60\$:	BRW	160\$:YES, THEN BRANCH
	51	D1	043F	653		CMPL	R1,#CLISK_DEFI_LOG	:QUALIFIER MATCH? (ALSO DEASSIGN/ALL
	03	12	0446	654		BNEQ	70\$:NO, CHECK NEXT
00000000'8F	0096	31	0448	655	70\$:	BRW	170\$:YES, THEN BRANCH
	51	D1	044B	656		CMPL	R1,#CLISK_DEFI_NAME	:QUALIFIER MATCH?
	03	12	0452	657		BNEQ	80\$:NO, CHECK NEXT
00000000'8F	0C98	31	0454	658		BRW	180\$:YES, THEN BRANCH
	51	D1	0457	659	80\$:	CMPL	R1,#CLISK_DEFI_TRAN	:QUALIFIER MATCH?
	81	12	045E	660		BNEQ	10\$:NO, IGNORE IT
	0083	31	0460	661		BRW	190\$:YES, THEN BRANCH
			0463	662				
OC A8	03	D0	0463	663	100\$:	MOVL	#PSLSC_USER,ACMODE(R8)	:SET USER MODE
	0082	31	0467	664		BRW	171\$:GET NEXT TOKEN
OC A8	02	D0	046A	665	110\$:	MOVL	#PSLSC_SUPER,ACMODE(R8)	:SET SUPER MODE
	7C	11	046E	666		BRB	171\$:GET NEXT TOKEN
OC A8	01	D0	0470	667	120\$:	MOVL	#PSLSC_EXEC,ACMODE(R8)	:SET EXEC MODE
	76	11	0474	668		BRB	171\$:GET NEXT TOKEN
55 FB91 CF	9E	0476	670	130\$:	MOVAB	LNMSPROCESS,R5	:USE PROCESS LOGICAL NAME TABLE	
54 85	9A	047B	671		MOVZBL	(R5)+,R4		
10 A8	54	7D	047E	672		MOVQ	R4,TABNAM(R8)	:SAVE THE DESCRIPTOR
	68	11	0482	673		BRB	171\$:GET NEXT TOKEN
55 FB83 CF	9E	0484	674		MOVAB	LNMSPROCESS,R5		
05 53 00	E0	0489	675	135\$:	BBS	#PTR V NEGATE-PTR_V_FLAGS,R3,137\$:ASSUME /NOJOB	
55 FB86 CF	9E	048D	676		MOVAB	#PTR V NEGATE-PTR_V_FLAGS,R3,137\$:BR IF /NOJOB	
54 85	9A	0492	677		LNMSJOB,R5		:USE JOB LOGICAL NAME TABLE	
10 A8	54	7D	0495	678	137\$:	MOVZBL	(R5)+,R4	
	51	11	0499	679		MOVQ	R4,TABNAM(R8)	:SAVE THE DESCRIPTOR
			0498	680		BRB	171\$:GET NEXT TOKEN
55 FB6C CF	9E	049B	681		MOVAB	LNMSPROCESS,R5		
05 53 00	E0	04A0	682	140\$:	BBS	#PTR V NEGATE-PTR_V_FLAGS,R3,147\$:ASSUME /NOGROUP	
55 FB77 CF	9E	04A4	683		MOVAB	#PTR V NEGATE-PTR_V_FLAGS,R3,147\$:BR IF /NOGROUP	
54 85	9A	04A9	684		LNMSGROUP,R5		:USE GROUP LOGICAL NAME TABLE	
10 A8	54	7D	04AC	685	147\$:	MOVZBL	(R5)+,R4	
	3A	11	04B0	686		MOVQ	R4,TABNAM(R8)	:SAVE THE DESCRIPTOR
			04B2	687		BRB	171\$:GET NEXT TOKEN
55 FB55 CF	9E	04B2	688		MOVAB	LNMSPROCESS,R5		
05 53 00	E0	04B7	689	150\$:	BBS	#PTR V NEGATE-PTR_V_FLAGS,R3,157\$:ASSUME /NOSYSTEM	
55 FB6A CF	9E	04B8	690		MOVAB	#PTR V NEGATE-PTR_V_FLAGS,R3,157\$:BR IF /NOSYSTEM	
54 85	9A	04C0	691		LNMSSYSTEM,R5		:USE SYSTEM LOGICAL NAME TABLE	
10 A8	54	7D	04C3	692	157\$:	MOVZBL	(R5)+,R4	
	23	11	04C7	693		MOVQ	R4,TABNAM(R8)	:SAVE THE DESCRIPTOR
			04C9	694		BRB	171\$:GET NEXT TOKEN
55 FB3E CF	9E	04C9	695	160\$:	MOVAB	LNMSPROCESS,R5		
54 85	9A	04CE	696		MOVZBL	(R5)+,R4		
10 A8	54	7D	04D1	697		MOVQ	R4,TABNAM(R8)	:SAVE THE DESCRIPTOR
14 53	E8	04D5	698		BLBS	R3,171\$:BRANCH IF NEGATED	
FB25.	30	04D8	699		BSBW	DCL\$GETDVAL	:GET THE TABLE NAME	
10 A8	51	7D	04DB	700		MOVQ	R1,TABNAM(R8)	:SAVE IT AWAY
	0B	11	04DF	701		BRB	171\$:GET NEXT TOKEN
			04E1	702				
08 A8	05	C8	04E1	703	170\$:	BISL	#LOG_M!DEF_M,QUAL(R8)	:ASSUME /LOG OR /ALL

08 A8 04 53	E9 04E5	705		BLBC	R3,171\$:BRANCH IF SO
01	CA 04E8	706		BICL	#LOG_M,QUAL(R8)		:SET /NOLOG OR /NOALL
FEF2	31 04EC	707	171\$:	BRW	10\$:GET NEXT TOKEN
FEF2	31 04EF	708	172\$:	BRW	20\$:PROCESS THE TOKEN
	04F2	709					
08 A8 02	C8 04F2	710	180\$:	BISL	#ATTR_M,QUAL(R8)		:MARK /NAME ATTRIBUTES SEEN
04 A8	D4 04F6	711		CLRL	NAME ATTR(R8)		:ZERO INITIAL ATTRIBUTES
F0 53	F8 04F9	712		BLBS	R3,171\$:BRANCH IF NEGATED
FB01	30 04FC	713	182\$:	BSBW	DCLSGETDVAL		:GET ITS VALUE
02	55 91 04FF	714		CMPB	R5,#PTR_K_QUALVALU		:SKIP IF NOT A QUALIFIER VALUE
	E8 12 0502	715		BNEQ	172\$		
43 8F	62 91 0504	716		CMPB	(R2),#^A/C/		:CONFINE KEYWORD?
06	12 0508	717		BNEQ	184\$:NO, THEN BRANCH
04 A8 02	C8 050A	718		BISL	#LNMSM_CONFINE,NAME_ATTR(R8)		:SET THE ATTRIBUTE
	EC 11 050E	719		BRB	182\$:GET NEXT VALUE
04 A8 01	C8 0510	720	184\$:	BISL	#LNMSM_NO_ALIAS,NAME_ATTR(R8)		:SET THE ATTRIBUTE
	E6 11 0514	721		BRB	182\$:GET NEXT VALUE
	0516	722					
08 A8 02	C8 0516	723	190\$:	BISL	#ATTR_M,QUAL(R8)		:MARK /TRANSLATION ATTRIBUTES SEEN
68	D4 051A	724		CLRL	TRAN ATTR(R8)		:ZERO INITIAL ATTRIBUTES
CD 53	E8 051C	725		BLBS	R3,171\$:BRANCH IF NEGATED
FADE	30 051F	726	192\$:	BSBW	DCLSGETDVAL		:GET ITS VALUE
02	55 91 0522	727		CMPB	R5,#PTR_K_QUALVALU		:SKIP IF NOT A QUALIFIER VALUE
	C8 12 0525	728		BNEQ	172\$		
43 8F	62 91 0527	729		CMPB	(R2),#^A/C/		:CONCEALED KEYWORD?
09	12 0528	730		BNEQ	194\$:NO, THEN BRANCH
68 00000100 8F	C8 052D	731		BISL	#LNMSM_CONCEALED,TRAN_ATTR(R8)		:SET THE ATTRIBUTE
	E9 11 0534	732		BRB	192\$:GET NEXT VALUE
68 00000200 8F	C8 0536	733	194\$:	BISL	#LNMSM_TERMINAL,TRAN_ATTR(R8)		:SET THE ATTRIBUTE
	E0 11 053D	734		BRB	192\$:GET NEXT VALUE
	053F	735					
18 A8 51	7D 053F	736	200\$:	MOVQ	R1,LOGNAM(R8)		:GET FIRST PARAMETER DESCRIPTOR
	05 0543	737	210\$:	RSB			:
	0544	738					

	0544	740	.SBTTL GET TRANSLATION ATTRIBUTES		
	0544	741	:		
	0544	742	: SUBROUTINE TO PROCESS TRANSLATION ATTRIBUTES		
	0544	743	:		
	0544	744	R0 = QUALIFIER SEEN FLAG		
	0544	745	R1/R2 = DESCRIPTOR OF NEXT PARAMETER		
	0544	746	R3 = TRANSLATION ATTRIBUTES		
	0544	747	R5 = TYPE OF LAST TOKEN SEEN		
	0544	748			
	0544	749	GET_TRAN_ATTR:		
	7E	7C	0544	750 CLRQ -(SP)	:GET TRAN ATTRIBUTES
55	FAB7'	30	0546	751 10\$: BSBW DCLSGETDVAL	;ASSUME QUALIFIER NOT SEEN
03	91	0549	752 20\$: CMPB #PTR_K_PARAMTR,R5	:GET NEXT DESCRIPTOR VALUE	
2D	15	054C	753 BLEQ 90\$:ITEM TYPE PARAMETER?	
04 AE	01	D0	054E	754 MOVL #1,4(SP)	:IF LEQ END OF LINE OR PARAMETER
6E	D4	0552	755 CLRL (SP)	:MARK QUALIFIER SEEN	
08 A8	02	C8	0554	756 BISL #ATTR_M,QUAL(R8)	:RESET ATTRIBUTES
EB	53	E8	0558	757 BLBS R3,10\$:MARK /TRANSLATION_ATTRIBUTES SEEN
FAA2'	30	055B	758 30\$: BSBW DCLSGETDVAL	:BRANCH IF NEGATED	
02	55	91	055E	759 CMPB R5,#PTR_K_QUALVALU	:GET ITS VALUE
E6	12	0561	760 BNEQ 20\$:SKIP IF NOT A QUALIFIER VALUE	
43 8F	62	91	0563	761 CMPB (R2),#^A/C/	:CONCEALED KEYWORD?
09	12	0567	762 BNEQ 40\$:NO, THEN BRANCH	
6E	00000100	8F	C8	0569 763 BISL #LNMSM_CONCEALED,(SP)	:SET THE ATTRIBUTE
6E	00000200	8F	C8	0572 764 BRB 30\$:GET NEXT VALUE
		E0	11	0579 765 40\$: BISL #LNMSM_TERMINAL,(SP)	:SET THE ATTRIBUTE
			057B	766 BRB 30\$:GET NEXT VALUE
		53	8ED0	057B 767 POPL R3	:RETURN ATTRIBUTES AND STATUS
		50	8ED0	057E 769 POPL R0	:
		05	0581	770 RSB	:

0582 772 .SBTTL CREATE LOGICAL NAME TABLE
 0582 773 :+
 0582 774 : DCL\$CRETABLE - CREATE LOGICAL NAME TABLE
 0582 775 :
 0582 776 : THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE
 0582 777 : CREATE/NAMES_TABLE COMMAND.
 0582 778 :
 0582 779 : INPUTS:
 0582 780 :
 0582 781 : R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
 0582 782 : R9 = ADDRESS OF SCRATCH STACK.
 0582 783 : R10 = BASE ADDRESS OF COMMAND WORK AREA.
 0582 784 : R11 = BASE ADDRESS OF PROCESS WORK AREA.
 0582 785 :
 0582 786 : OUTPUTS:
 0582 787 :
 0582 788 : THE SPECIFIED LOGICAL NAME TABLE IS CREATED.
 0582 789 :-
 0582 790 :
 0582 791 DCL\$CRETABLE:: :CREATE A LOGICAL NAME TABLE
 79 FF00 79 D4 0582 792 CLRL -(R9) :ASSUME /LOG
 51 8F 3C 0584 793 MOVZWL #DEF_PROT,-(R9) :SET DEFAULT TABLE PROTECTION
 : (SY:RWED,OW:RWED,GR,W0)
 79 02 D0 0589 794 :
 79 01000000 8F D0 058C 795 MOVL #PSLSC_SUPER,-(R9) :ASSUME SUPERVISOR MODE ACODE
 51 FAAB CF 9E 058E 796 CLRL -(R9) :ASSUME /NOQUOTA
 50 81 9A 0595 797 MOVL #LNMSM_CREATE_IF,-(R9) :ASSUME /NOATTR
 79 50 7D 059D 798 MOVAB LNMSPROCESS_DIRECTORY,R1 :ASSUME /NOPARENT
 : (R1)+,R0
 0590 800 MOVZBL R0,-(R9) :
 05A0 801 MOVQ R0,-(R9) :SAVE THE DESCRIPTOR
 55 FA5D' 30 05A0 802 :
 03 91 05A3 803 10\$: BSBW DCL\$GETDVAL :GET NEXT DESCRIPTOR VALUE
 03 12 05A6 804 20\$: CMPB #PTR_K_PARAMETR,R5 :ITEM TYPE PARAMETER?
 0124 31 05A8 805 BNEQ 30\$:NO, THEN PROCESS QUALIFIER
 05AB 806 BRW 200\$:YES, THEN DONE
 00000000'8F FA52' 30 05AB 808 30\$: BSBW DCL\$GETNVAL :GET QUALIFIER NUMBER
 51 D1 05AE 809 CMPL R1,#CLISK_CRET_USER :QUALIFIER MATCH?
 45 13 05B5 810 BEQL 100\$:YES, THEN BRANCH
 00000000'8F 51 D1 05B7 811 CMPL R1,#CLISK_CRET_SUPE :QUALIFIER MATCH?
 42 13 05BE 812 BEQL 110\$:YES, THEN BRANCH
 00000000'8F 51 D1 05C0 813 CMPL R1,#CLISK_CRET_EXEC :QUALIFIER MATCH?
 3F 13 05C7 814 BEQL 120\$:YES, THEN BRANCH
 00000000'8F 51 D1 05C9 815 CMPL R1,#CLISK_CRET_QUOT :QUALIFIER MATCH?
 3C 13 05D0 816 BEQL 130\$:YES, THEN BRANCH
 00000000'8F 51 D1 05D2 817 CMPL R1,#CLISK_CRET_ATTR :QUALIFIER MATCH?
 4F 13 05D9 818 BEQL 140\$:YES, THEN BRANCH
 00000000'8F 51 D1 05DB 819 CMPL R1,#CLISK_CRET_PARE :QUALIFIER MATCH?
 78 13 05E2 820 BEQL 150\$:YES, THEN BRANCH
 00000000'8F 51 D1 05E4 821 CMPL R1,#CLISK_CRET_PROT :QUALIFIER MATCH?
 03 12 05EB 822 BNEQ 40\$:NO
 0085 31 05ED 823 BRW 160\$:YES, THEN BRANCH
 00000000'8F 51 D1 05F0 824 40\$: CMPL R1,#CLISK_CRET_LOG :QUALIFIER MATCH
 A7 12 05F7 825 BNEQ 10\$:NO, GET NEXT TOKEN
 0087 31 05F9 826 BRW 175\$:YES, THEN BRANCH
 05FC 827 :
 10 A9 03 D0 05FC 828 100\$: MOVL #PSLSC_USER,16(R9) :SET USER MODE

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10 A9	9E 02	11 D0	0600 0602	829 830	110\$:	BRB MOVL	10\$ #PSLSC_SUPER,16(R9)	:GET NEXT TOKEN :SET SUPER MODE
10 A9	98 01	11 D0	0606 0608	831 832	120\$:	BRB MOVL	10\$ #PSLSC_EXEC,16(R9)	:GET NEXT TOKEN :SET EXEC MODE
	92	11	060C	833		BRB	10\$:GET NEXT TOKEN
	060E		834					
	OC A9	D4	060E	835	130\$:	CLRL	12(R9)	:ASSUME /NOQUOTA
	10 53	E8	0611	836		BLBS	R3,131\$:BRANCH IF SO
	F9E9	30	0614	837		BSBW	DCLSGETDVAL	:GET QUOTA VALUE
	52 51	7D	0617	838		MOVQ	R1,R2	:COPY DESCRIPTOR
	51 01	D0	061A	839		MOVL	#1,R1	:SET DECIMAL RADIX
	OC A9	F9E0	30	061D	840	BSBW	DCLS\$CNVNOEDIT	:CONVERT NUMBER TO BINARY
	51	D0	0620	841		MOVL	R1,12(R9)	:SAVE THE VALUE AWAY
	FF79	31	0624	842	131\$:	BRW	10\$:GET NEXT TOKEN
	FF79	31	0627	843	132\$:	BRW	20\$:PROCESS NEXT TOKEN
08 A9	01000000 8F	D0	062A	844				
	EF 53	E8	0632	845	140\$:	MOVL	#LNMSM_CREATE_IF,8(R9)	:ASSUME /NOATTRIBUTES
	F9C8	30	0635	846		BLBS	R3,131\$:BRANCH IF SO
	02 55	91	0638	847	142\$:	BSBW	DCLSGETDVAL	:GET ATTRIBUTE KEYWORD
	EA	12	063B	848		CMPB	R5,#PTR_K_QUALVALU	:SKIP IF NOT A QUALIFIER VALUE
	4E 8F	62	063D	849		BNEQ	132\$	
	06	12	0641	850		CMPB	(R2),#^A/N/	:NO_ALIAS KEYWORD?
	08 A9	01 C8	0643	851		BNEQ	144\$:NO, THEN BRANCH
	EC	11	0647	852		BISL	#LNMSM_NO_ALIAS,8(R9)	:SET THE ATTRIBUTE
	43 8F	62	0649	853		BRB	142\$:GET NEXT VALUE
	06	12	064D	854	144\$:	CMPB	(R2),#^A/C/	:CONFINE KEYWORD?
	08 A9	02 C8	064F	855		BNEQ	146\$:NO, THEN BRANCH
	E0	11	0653	856		BISL	#LNMSM_CONFINE,8(R9)	:SET THE ATTRIBUTE
08 A9	01000000 8F	CA	0655	857		BRB	144\$:GET NEXT VALUE
	D6	11	065D	858	146\$:	BICL	#LNMSM_CREATE_IF,8(R9)	:CLEAR THE ATTRIBUTE
			065F	859		BRB	142\$:GET NEXT VALUE
			0660					
51	F9E1 CF	9E	065F	861	150\$:	MOVAB	LNMSPROCESS_DIRECTORY,R1	:ASSUME /NOPARENT
	50 81	9A	0664	862		MOVZBL	(R1)+ R0	
	69 50	7D	0667	863		MOVQ	R0,(R9)	:SAV THE DESCRIPTOR
	B7 53	E8	066A	864		BLBS	R3,131\$:BRANCH IF SO
	F990	30	066D	865		BSBW	DCLSGETDVAL	:GET TABLE NAME
	69 51	7D	0670	866		MOVQ	R1,(R9)	:SAVE THE DESCRIPTOR
	AF	11	0673	867		BRB	131\$:GET NEXT TOKEN
			0675	868	:			
			0675	869	:		SET LOGICAL NAME TABLE PROTECTION CODE	
			0675	870	:			
			0675	871	160\$:	BSBW	DCLSGETDVAL	:GET NEXT DESCRIPTOR VALUES
	55 02	30	0675	872		CMPB	#PTR_K_QUALVALU,R5	:QUALIFIER VALUE?
	AA	12	0678	873		BNEQ	132\$:NO, ALL DONE WITH PROTECTION.
FA07 CF	04 62	3A	067D	874		LOCQ	(R2),#4,CLASS	:LOCATE PROTECTION CLASS
	3A	13	0683	875		BEQL	180\$:IF EQL INVALID CLASS
			0685	876				
			0685	877				
			0685	878		DECL	R0	:CALCULATE STARTING BIT NUMBER
14 A9	58 50	D7	0685	879		MULL3	#4,RC,R8	
	58 04	C5	0687	880		INSV	#^XF,R8,#4,20(R9)	:ASSUME NO ACCESS
	54 02	F0	068B	881		CMPB	#PTR_K_COLON,R4	:PROTECTION VALUE SPECIFIED?
	DF	91	0691	882		BNEQ	160\$:NO, TRY TO GET NEXT CLASS
			0694	883				
			0696	884		BSBW	DCLSGETDVAL	:GET PROTECTION VALUE DESCRIPTOR
			0699	885		MOVL	R1,R7	:SAVE LENGTH OF VALUE STRING

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F9E4 CF 04 82 23	3A 069C 886	165\$: LOCC (R2)+,#4,ACCESS	:LOCATE PROTECTION CODE
50 58 C0	D7 06A2 888	BEQL 185\$:IF EQUAL INVALID PROTECTION CODE
00 14 A9 EB 57	E5 06A4 889	DECL R0	:CALCULATE RELATIVE BIT NUMBER
50 58 C2	F5 06A6 890	ADDL R8,R0	:CALCULATE ACTUAL BIT NUMBER
EB 57	06AE 891	BBCC R0,20(R9),170\$:ALLOW SPECIFIED ACCESS
C2 11	06B1 892	SOBGTR R7,165\$:ANY MORE TO SCAN?
	06B1 893	BRB 160\$:NO, TRY TO GET NEXT CLASS
	06B3 894	:	
	06B3 895	PROCESS /LOG QUALIFIER	
18 A9 94	06B3 896	:	
03 53 E9	06B6 897 175\$: CLRBL 24(R9)	:ASSUME /LOG	
18 A9 96	06B6 898	BLBC R3,176\$:IT IS /LOG. FLAG OK AS IS
FF65 31	06B9 899	INCB 24(R9)	:IT IS /NOLOG. SET FLAG
	06BC 900 176\$: BRW 131\$:GET NEXT TOKEN	
	06BF 901		
	06BF 902 180\$: STATUS IVKEYW	:SET INVALID KEYWORD	
	05 06C6 903	RSB	:EXIT
	05 06C7 904 185\$: STATUS IVPROT	:SET INVALID PROTECTION CODE	
	05 06CE 905	RSB	:EXIT
	06CF 906		
79 51 7D	06CF 907 200\$: MOVQ R1,-(R9)	:SAVE THE LOGICAL NAME DESR	
	06D2 908		
	06D2 909	SCRELNT_S ATTR=16(R9),-	:CREATE THE TABLE
	06D2 910	QUOTA=20(R9),-	:
	06D2 911	TABNAM=(R9),-	:
	06D2 912	PARTAB=8(R9),-	:
	06D2 913	ACMODE=24(R9),-	:
	06D2 914	PROMSK=28(R9)	:
	06EE 915		
	06EE 916	:	
	06EE 917	OUTPUT INFORMATION MESSAGES ABOUT THE TABLE CREATION	
	06EE 918	:	
40 20 A9 50 01 09	E8 06EE 919	BLBS 32(R9),280\$:SKIP IF /NOLOG
50 0003DE08 8F 28	B1 06F2 920	CMPW #SSS_NORMAL,RO	:EXISTING TABLE NOT SUPER.?
	12 06F5 921	BNEQ 210\$:NO, CHECK OTHER STATUS
	D0 06F7 922	MOVL #CLIS_TABEXIST,RO	:YES, TELL USER
	11 06FE 923	BRB 270\$:
	0700 924		
50 0631 8F 09	B1 0700 925 210\$: CMPW #SSS_SUPERSEDE,RO	:EXISTING TABLE SUPERSEDED?	
50 0003DE13 8F 18	12 0705 926	BNEQ 220\$:NO, CHECK OTHER STATUS
	D0 0707 927	MOVL #CLIS_TABSUPER,RO	:YES, TELL USER
	11 070E 928	BRB 270\$:
	0710 929		
50 0681 8F 18	B1 0710 930 220\$: CMPW #SSS_LNMCREATED,RO	:NEW TABLE CREATED?	
50 0003DE1B 8F 01	12 0715 931	BNEQ 280\$:NO, CHECK FOR CREATION ERROR
10 A9 01000000 8F 0D	DC 0717 932	MOVL #CLIS_TABNOTFND,RO	:ASSUME /SUPERSEDE SPECIFIED
	D3 071E 933	BITL #LNMSH_CREATE_IF,16(R9)	:WAS /SUPERSEDE SPECIFIED?
	12 0726 934	BNEQ 285\$:IF NOT, SKIP MESSAGE
	0728 935		
51 69 9F 01	0728 936 270\$: PUSHAB (R9)	:GET TABLE NAME DESCRIPTOR	
F8D0 30	072A 937	MOVL #1,R1	:SET FAO COUNT
03 11	072D 938	BSBW DCL\$FORMMSG	:OUTPUT MESSAGE
	0730 939	BRB 285\$:EXIT WITH STATUS NORMAL
07 50 E9	0732 940		
	0732 941 280\$: BLBC R0,290\$:BRANCH IF ERROR	
	0735 942 285\$: STATUS NORMAL	:RETURN SUCCESS	

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05 073C 943 290\$: RSB

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073D 945 .SBTTL SHOW LOGICAL NAME EQUIVALENCES
 073D 946 :+
 073D 947 : DCL\$SHOWTRAN - SHOW LOGICAL NAME TRANSLATION
 073D 948 :
 073D 949 : THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE SHOW LOGICAL
 073D 950 : NAME EQUIVALENCES DCLS COMMAND.
 073D 951 :
 073D 952 : INPUTS:
 073D 953 :
 073D 954 : R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
 073D 955 : R9 = ADDRESS OF SCRATCH STACK.
 073D 956 : R10 = BASE ADDRESS OF COMMAND WORK AREA.
 073D 957 : R11 = BASE ADDRESS OF PROCESS WORK AREA.
 073D 958 :
 073D 959 : OUTPUTS:
 073D 960 :
 073D 961 : THE SPECIFIED LOGICAL NAME EQUIVALENCE FROM THE PROCESS
 073D 962 : LOGICAL NAME TABLE IS WRITTEN TO THE OUTPUT STREAM.
 073D 963 :-
 073D 964 DCL\$SHOWTRAN:: :SHOW THE TRANSLATION FOR A NAME
 073D 965 :
 073D 966 :++
 073D 967 : Stack layout:
 073D 968 :
 073D 969 :-----:
 073D 970 :| Table name |:
 073D 971 :| descriptor |:
 073D 972 :-----:
 073D 973 :| Logical name |:
 073D 974 :| descriptor |:
 073D 975 :-----:
 073D 976 :| Equival name |:
 073D 977 :| descriptor |:
 073D 978 :-----:
 073D 979 :| Item list ... |:
 073D 980 :-----:
 073D 981 :-----:
 073D 982 :--
 073D 983 :
 073D 984 : Parse the command string.
 073D 985 :
 51 F8F3 CF 9E 073D 986 MOVAB LNMSDCL_LOGICAL,R1 :SET DEFAULT LOGICAL NAME TABLE
 50 81 9A 0742 987 MOVZBL (R1)+,R0 :
 7E 50 7D 0745 988 MOVQ R0,-(SP) :
 0748 989 :
 55 F885' 30 0748 990 10\$: BSBW DCL\$GETDVAL :GET FIRST TOKEN
 03 91 074B 991 CMPB #PTR_K_PARAMETR,R5 :IS IT A PARAMETER
 06 12 074E 992 BNEQ 15\$:NO, THEN PROCESS /TABLE
 F4 53 01 E0 0750 993 ASSUME PTR_V_KEYWORD EQ 21 :IGNORE OPTION KEYWORD
 16 11 0754 994 BBS #1 R3,10\$:PROCESS THE LOGICAL NAME
 0756 995 BRB 20\$:
 51 F8DA CF 9E 0756 997 15\$: MOVAB LNMSDCL_LOGICAL,R1 :ASSUME /NOTABLE
 50 81 9A 075B 998 MOVZBL (R1)+,R0 :
 6E 50 7D 075E 999 MOVQ R0,(SP) :
 E4 53 E8 0761 1000 BLBS R3,10\$:BRANCH IF SO
 F899' 30 0764 1001 BSBW DCL\$GETDVAL :GET TABLE NAME

6E	S1	7D	0767	1002	MOVQ	R1,(SP)		
DC	11	076A	1003	BRB	10\$:SAVE IT :GET NEXT TOKEN		
7E	S1	7D	076C	1004	20\$: MOVQ	R1,-(SP)	:SAVE LOGICAL NAME DESCRIPTOR	
			076F	1005				
			076F	1006				
			076F	1007				
			076F	1008			: Create item list and perform translation.	
			076F	1009				
7E	F4	AE	7E	D4	076F	1010		
7E	F896	CA	9E	0771	1011	CLRL -(SP)	:BUILD ITEM LIST	
00040100	8F	00	0775	1012	MOVAB -12(SP),-(SP)	:SET ADDR OF RETURN LENGTH		
7E	F4	AE	9E	0781	1013	MOVAB WRK_G_INPBUF(R10),-(SP)	:BUILD TABLE NAME DESCRIPTOR	
50	51	06	C1	0785	1014	MOVL #LNMS_TABLE@16+WRK_C_INPBUFSIZ,-(SP)	:SET ITEM TYPE AND LENGTH	
7E	04	A8	50	C1	0789	1015	MOVAB -12(SP),-(SP)	:SET ADDR OF RETURN LENGTH
7E	68	50	C3	078E	1016	ADDL3 #6,R1,R0	:LENGTH OF RESULT BEFORE EQUIV	
02	AE	02	B0	0792	1017	ADDL3 R0,4(R8),-(SP)	:BUILD EQUIV NAME DESCRIPTOR	
57	5E	00	0796	1018	SUBL3 R0,(R8),-(SP)			
			0796	1019	MOVW #LNMS_STRING,2(SP)			
			0799	1020	MOVL SP,R7			
			0799	1021			:SET ITEM TYPE	
			0799	1022			:SET ITEM LIST ADDR	
			0799	1023	\$TRNLNM_S TABNAM=36(R7),-	:TRANSLATE THE LOGICAL NAME		
			07AC	1024	LOGNAM=28(R7),-			
			07AC	1025	ITMLST=(R7)			
01	50	D1	07AC	1026	CMPL R0,#\$\$\$NORMAL	:TEST FOR SUCCESSFUL TRANSLATION		
0E	13	07AF	1026		BEQL 30\$:BRANCH IF SUCCESS		
51	F8B0	CF	67	B4	07B1	1027	CLRW (R7)	:ELSE CLEAR BYTE COUNT OF RESULTANT
50	81	9E	07B3	1028	MOVAB UNDEFINED,R1	:INDICATE UNDEFINED		
OC	A7	50	7D	07BB	1029	MOVZBL (R1)+,R0		
			07BF	1030	MOVQ R0,12(R7)			
			07BF	1031				
			07BF	1032				
			07BF	1033				
			07BF	1034				
52	02	A7	B4	07BF	1035	30\$: CLRW 2(R7)	:CLEAR ITEM TYPE	
62	67	9E	07C2	1036	MOVAB (R7),R2	:GET ADDRESS OF EQUIV DESCRIPTOR		
62	D5	07C5	1037		TSTL (R2)	:ZERO LENGTH EQUIV?		
11	13	07C7	1038		BEQL 40\$:IF EQL YES		
04	B2	18	91	07C9	1039	CMPB #27,04(R2)	:FIRST CHARACTER ESCAPE?	
04	A2	08	12	07CD	1040	BNEQ 40\$:IF NEQ NO	
62	04	C0	07CF	1041	ADDL #4,4(R2)	:POINT PAST EQUIV HEADER		
62	04	C2	07D3	1042	SUBL #4,(R2)	:REDUCE LENGTH OF EQUIV BY HEADER		
02	18	07D6	1043		BGEQ 40\$:IF GEQ OKAY		
62	D4	07D8	1044		CLRL (R2)	:CLEAR EQUIV LENGTH		
			07DA	1045				
			07DA	1046				
			07DA	1047				
			07DA	1048				
51	F893	CF	9E	07DA	1049	40\$: MOVAB LOGICALMSG,R1	:GET ADDRESS OF ASCIC FAO STRING	
50	81	9A	07DF	1050	MOVZBL (R1)+,R0	:MAKE INTO DESCRIPTOR		
7E	50	7D	07E2	1051	MOVQ R0,-(SP)	:PUSH ONTO STACK		
50	5E	00	07E5	1052	MOVL SP,R0	:GET DESCRIPTOR ADDRESSES		
51	1C	A7	7E	07E8	1053	MOVAQ 28(R7),R1		
52	67	7E	07EC	1054	MOVAQ (R7),R2			
53	OC	A7	7E	07EF	1055	MOVAQ 12(R7),R3		
			07F3	1056				
			07F3	1057				
			0806	1058	\$FAO_S (R0),(R8),(R8),R1,R2,R3	:FORMAT OUTPUT MESSAGE		

LOGICAL
V04-000

- LOGICAL NAME COMMANDS
SHOW LOGICAL NAME EQUIVALENCES

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SE	2C A7	9E 0806 1059	MOVAB 44(R7),SP	;RESTORE THE STACK
51	68	7D 080A 1060	MOVQ (R8),R1	;GET OUTPUT MESSAGE PARAMETERS
	F7F0	30 080D 1061	BSBW DCL\$MSGOUT	;OUTPUT MESSAGE
		0810 1062	STATUS NORMAL	;RETURN SUCCESS
	05	0817 1063	RSB	
		0818 1064		
		0818 1065	.END	

- LOGICAL NAME COMMANDS

D 1

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SST1	= 00000000		EQUNAM	= 00000020	
SST2	= 00000006		GET_TRAN_ATTR	00000544 R 02	
ACCESS	00000086 R	02	LNM\$DCL_LOGICAL	00000034 R 02	
ACMODE	= 0000000C		LNM\$FILE_DEV	0000005A R 02	
ATTR_M	= 00000002		LNM\$GROUP	0000001F R 02	
ATTR_V	= 00000001		LNM\$JOB	00000017 R 02	
CLASS	0000008A R	02	LNM\$M_CONCEALED	= 00000100	
CLISK_ALLO_GENE	***** X	02	LNM\$M_CONFINE	= 00000002	
CLISK_CRET_ATTR	***** X	02	LNM\$M_CREATE_IF	= 01000000	
CLISK_CRET_EXEC	***** X	02	LNM\$M_NO_ALIAS	= 00000001	
CLISK_CRET_LOG	***** X	02	LNM\$M_TERMINAL	= 00000200	
CLISK_CRET_PARE	***** X	02	LNM\$PROCESS	00000008 R 02	
CLISK_CRET_PROT	***** X	02	LNM\$PROCESS_DIRECTORY	00000044 R 02	
CLISK_CRET_QUOT	***** X	02	LNM\$SYSTEM	00000029 R 02	
CLISK_CRET_SUPE	***** X	02	LNM\$ATTRIBUTES	= 00000003	
CLISK_CRET_USER	***** X	02	LNM\$STRING	= 00000002	
CLISK_DEFI_EXEC	***** X	02	LNM\$TABLE	= 00000004	
CLISK_DEFI_GROU	***** X	02	LOGICALMSG	00000071 R 02	
CLISK_DEFI_JOB	***** X	02	LOGNAM	= 00000018	
CLISK_DEFI_LOG	***** X	02	LOG_M	= 00000001	
CLISK_DEFI_NAME	***** X	02	LOG_V	= 00000000	
CLISK_DEFI_PROC	***** X	02	NAME_ATTR	= 00000004	
CLISK_DEFI_SUPE	***** X	02	OUTPUTNAM	00000000 R 02	
CLISK_DEFI_SYST	***** X	02	PRC_B_CONTINUE	000000F3	
CLISK_DEFI_TABL	***** X	02	PRC_B_DEFRADIX	000000AE	
CLISK_DEFI_TRAN	***** X	02	PRC_B_EXMDEPMOD	000000AD	
CLISK_DEFI_USER	***** X	02	PRC_B_EXMDEPWID	000000AC	
CLIS_ALLOC	= 0003DDE3		PRC_B_EXONLYL	0000012D	
CLIS_IVKEYW	= 00038060		PRC_B_FLAGS2	000000AF	
CLIS_IVPROT	= 00038070		PRC_B_IMGFLAG	0C000078	
CLIS_NORMAL	= 00030001		PRC_B_OUTFLAGS	0000012C	
CLIS_SUPERSEDE	= 0003DDEB		PRC_B_PROMPTLEN	000000F0	
CLIS_TABEXIST	= 0003DE0B		PRC_C_LENGTH	00000534	
CLIS_TABNOTFND	= 0003DE1B		PRC_G_COMMANDS	00000133	
CLIS_TABSUPER	= 0003DE13		PRC_G_PROMPT	000000F4	
COMMON_CRELNM	000002AD R	02	PRC_K_LENGTH	00000534	
COMMON_QUAL	000003C7 R	02	PRC_L_CURRKEY	00000048	
DCLSALLOCATE	0000008E RG	02	PRC_L_EXMDEPADR	000000A8	
DCLSASSIGN	000001A3 RG	02	PRC_L_EXTARG	00000094	
DCLSNCVNOEDIT	***** X	02	PRC_L_EXTBLK	0000008C	
DCLSCOMPRESS	***** X	02	PRC_L_EXTCOD	0000009C	
DCLSCOMPSTRING	***** X	02	PRC_L_EXTHND	00000090	
DCLSCREATE_OUTPUT	***** X	02	PRC_L_EXTPRM	00000098	
DCLSCTABEE	00000582 RG	02	PRC_L_IDFLNK	000000BC	
DCLSDALLOCAT	C0000314 RG	02	PRC_L_IMGACTSTS	00000080	
DCLSDDEASSIGN	0000033B RG	02	PRC_L_INDCLOCK	0000007C	
DCLSDEFINE	00000231 RG	02	PRC_L_INDEPTH	0000005C	
DCLSFORMMSG	***** X	02	PRC_L_INDFAIR	0000001C	
DCLSGETDVAL	***** X	02	PRC_L_INDINPRAB	00000014	
DCLSGETINVAL	***** X	02	PRC_L_INDOUTRAB	00000018	
DCLMSGOUT	***** X	02	PRC_L_INPRAB	00000008	
DCLSOPEN_OUTPUT	***** X	02	PRC_L_LASTKEY	0000004C	
DCL\$RESTORE_OUTPUT	***** X	02	PRC_L_LSTSTATUS	000000B0	
DCLS\$SHOWTRAN	0000073D RG	02	PRC_L_ONCTLY	000000B8	
DEF_M	= 00000004		PRC_L_ONERROR	0000006C	
DEF_PROT	= 0000FF00		PRC_L_OUTOFBAND	000000B4	
DEF_V	= 00000002		PRC_L_OUTRAB	0000000C	

- LOGICAL NAME COMMANDS

E 1

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PRC_L_OUTRABCTX	00000018	PTR_V_KEYWORD	= 00000015
PRC_L_PPFLIST	00000070	PTR_V_NEGATE	= 00000014
PRC_L_RECALLPTR	0000012F	QUAC	= 00000008
PRC_L_RESTART	00000058	SS\$_LNMCREATED	= 000006B1
PRC_L_SAVAP	00000000	SS\$_NORMAL	= 00000001
PRC_L_SAVFP	00000004	SS\$_NOSUCHDEV	= 00000908
PRC_L_SEVERITY	00000050	SS\$_SUPERSEDE	= 00000631
PRC_L_SPWN	000000C0	SYSSALLOC	***** GX 02
PRC_L_STACKLM	000000A4	SYSSCRELNM	***** GX 02
PRC_L_STACKPT	000000A0	SYSSCRELNT	***** GX 02
PRC_L_STATUS	00000054	SYSSDALLOC	***** GX 02
PRC_L_STS	00000C84	SYSSDELLNM	***** GX 02
PRC_L_STV	00000088	SYSSFAO	***** X 02
PRC_L_SYMBOL	00000060	SYS\$TRNLNM	***** GX 02
PRC_L_TMBX	00000074	TABNAM	= 00000010
PRC_L_TRMLIST	00000010	TESTOUT	00000391 R 02
PRC_Q_ALLOCREG	00000020	TRAN_ATTR	= 00000000
PRC_Q_COMMAND	000000E0	UNDEFINED	00000067 R 02
PRC_Q_FLUSHTIME	000000D0	WRK_B_CMDOPT	FFFFFC3
PRC_Q_GLOBAL	00000028	WRK_B_MAXPARM	FFFFFD0
PRC_Q_IMAGENAME	000000D8	WRK_B_MINPARM	FFFFFD1
PRC_Q_KEYPAD	00000040	WRK_B_PARMCNT	FFFFFCF
PRC_Q_LABEL	00000030	WRK_B_PARMSUM	FFFFFCF
PRC_Q_LOCAL	00000038	WRK_B_RECALLCNT	FFFFFC5
PRC_Q_SAVEPRIV	000000E8	WRK_B_VALLEV	FFFFFC4
PRC_T_OUTDVI	0000011C	WRK_B_VERBTYP	FFFFFC2
PRC_W_ASTIOSB	000000C6	WRK_C_INPBUFSIZ	= 00000100
PRC_W_ASTRETN	000000C8	WRK_C_LENGTH	FFFFF486
PRC_W_ASTSTATUS	000000C4	WRK_G_BUFFER	FFFFF492
PRC_W_ATTMBX	0000007A	WRK_G_INPBUF	FFFFF896
PRC_W_FLAGS	00000068	WRK_G_RESULT	FFFFF9B6
PRC_W_INPCHAN	00000064	WRK_K_LENGTH	FFFFF486
PRC_W_ONLEVEL	0000006A	WRK_L_CHARPTR	FFFFF48E
PRC_W_OUTIFI	00000114	WRK_L_DISALLOW	FFFFFE6
PRC_W_OUTISI	00000116	WRK_L_ERRORRTN	FFFFF9AE
PRC_W_OUTMBXCHN	000000CA	WRK_L_EXPANDPTR	FFFFF486
PRC_W_OUTMBXREF	000000CE	WRK_L_IMAGE	FFFFFE2
PRC_W_OUTMBXSIZ	000000CC	WRK_L_MARKPTR	FFFFF48A
PRC_W_PMPCTRL	000000F1	WRK_L_PAROUT	FFFFFD2
PRC_W_WAITIOSB	00000066	WRK_L_PMPADDR	FFFFF9A2
PSL\$C_EXEC	= 00000001	WRK_L_PROMPTRTN	FFFFF9A6
PSL\$C_SUPER	= 00000002	WRK_L_PROPTR	FFFFFC6
PSL\$C_USER	= 00000003	WRK_L_QUABLK	FFFFFC4
PTR_B_LEVEL	00000004	WRK_L_READRTN	FFFFF9AA
PTR_B_NUMBER	00000005	WRK_L_RECALLPTR	FFFFFEA
PTR_B_PARMCNT	00000006	WRK_L_RSLEND	FFFFFB6
PTR_B_VALUE	00000000	WRK_L_RSLNXT	FFFFFB4
PTR_C_LENGTH	0000000C	WRK_L_SAVAP	FFFFFFF8
PTR_K_COLON	= 00000002	WRK_L_SAVFP	FFFFFFC
PTR_K_COMMA	= 00000005	WRK_L_SAVSP	FFFFFFF4
PTR_K_ENDLINE	= 00000004	WRK_L_SIGNALRTN	FFFFFD6
PTR_K_LENGTH	0000000C	WRK_L_SPECRTN	FFFFF9B2
PTR_K_PARAMETR	= 00000003	WRK_L_TAB_VEC	FFFFFD8
PTR_K_QUALVALU	= 00000002	WRK_L_VERB	FFFFFB8
PTR_L_DESCR	00000000	WRK_W_FLAGS	FFFFFF0
PTR_L_ENTITY	00000008	WRK_W_FLAGS2	FFFFFFF2
PTR_V_FLAGS	= 00000014	WRK_W_IMGCHAN	FFFFFEE

LOGICAL
Symbol table

WRK_W_PMPTLEN

- LOGICAL NAME COMMANDS

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FFFFF99E

+-----+
! Psect synopsis !
+-----+

PSECT name

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.) 00 (0.) NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE		
\$ABSS	FFFFFFFC (0.) 01 (1.) NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE		
DCL\$ZCODE	00000818 (2072.) 02 (2.) NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE		

+-----+
! Performance indicators !
+-----+

Phase

Phase	Page faults	CPU Time	Elapsed Time
Initialization	15	00:00:00.08	00:00:01.26
Command processing	101	00:00:00.65	00:00:05.99
Pass 1	331	00:00:13.05	00:00:33.89
Symbol table sort	0	00:00:01.59	00:00:04.36
Pass 2	183	00:00:05.27	00:00:09.90
Symbol table output	27	00:00:00.18	00:00:00.64
Psect synopsis output	2	00:00:00.03	00:00:00.05
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	659	00:00:18.96	00:00:56.11

The working set limit was 1500 pages.

69087 bytes (135 pages) of virtual memory were used to buffer the intermediate code.

There were 60 pages of symbol table space allocated to hold 980 non-local and 104 local symbols.

1065 source lines were read in Pass 1, producing 20 object records in Pass 2.

43 pages of virtual memory were used to define 28 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name

Macro library name	Macros defined
\$255\$DUA28:[SYSLIB]SYSBLDMIB.MLB;1	0
\$255\$DUA28:[DCL.OBJ]DCL.MLB;1	6
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	16
TOTALS (all libraries)	22

1132 GETS were required to define 22 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:LOGICAL/OBJ=OBJ\$:LOGICAL MSRC\$:LOGICAL/UPDATE=(ENHS:LOGICAL)+EXECMLS/LIB+LIBS:DCL/LIB+SYS\$LIBRARY:SYSBLDMIB/LIB

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